# Report: Eliza.Plate Fit

This a automatically generated fitting report.

## Fits

Results for fits on Node

Subject: Text

Type: Sigmoidal

4 Parameter Sigmoidal Dose Response Function.This is expecting the log10 of the Dose/Concencation for the X axis.

Y = MIN + (MAX - MIN) / (1 + 10^((LOGEC50 - x) * HILL)

## Inputs

The following source properties on the node were used as the sources for the fitting.

Response(Y): ABS

Dose(X): Concentration

Knockouts (N): BadValue

## Outputs

The following Parameter values were returned from the fits.

## Fit: MAY001

Fit 100%

R Sq = 1.00  CV = 1252.80  ChiSq = 0.12  Weighted Error = 0.12

LOGEC50=1.29+/-0.02

HILL=1.186+/-0.058

MAX=126.053+/-2.92

MIN=1.98+/-1.122

## Fit: MAY002

Fit 100%

R Sq = 1.00  CV = 1223.56  ChiSq = 0.26  Weighted Error = 0.26

LOGEC50=0.921+/-0.023

HILL=1.348+/-0.107

MAX=123.029+/-2.394

MIN=9.151+/-2.556

## Fit: MAY003

NoFit

R Sq = 0.63  CV = 0.40  ChiSq = 0.75  Weighted Error = 0.75

LOGEC50=3.113+/-0.94

HILL=1.15+/-0.702

MAX=41.434+/-86.795

MIN=2.748+/-0.343

## Fit: MAY004

Fit 99%

R Sq = 0.99  CV = 276.22  ChiSq = 0.11  Weighted Error = 0.11

LOGEC50=0.092+/-0.131
HILL=1.376+/-0.231
MAX=125.324+/-1.336
MIN=16.488+/-20.929

## Fit: MAY005

Fit 100%

R Sq = 1.00  CV = 402.50  ChiSq = 0.35  Weighted Error = 0.35

LOGEC50=2.247+/-0.224
HILL=1.147+/-0.124
MAX=186.961+/-64.555
MIN=3.765+/-0.636

## Fit: MAY006

Fit 100%

R Sq = 1.00  CV = 1206.92  ChiSq = 0.28  Weighted Error = 0.28

LOGEC50=1.297+/-0.031
HILL=1.196+/-0.092
MAX=124.315+/-4.498
MIN=3.133+/-1.694

## Fit: MAY007

Fit 100%

R Sq = 1.00  CV = 357.65  ChiSq = 0.02  Weighted Error = 0.02

LOGEC50=0.146+/-0.059
HILL=1.155+/-0.079
MAX=126.571+/-0.729
MIN=9.997+/-8.63

## Fit: MAY008

Fit 100%

R Sq = 1.00  CV = 1200.10  ChiSq = 0.13  Weighted Error = 0.13

LOGEC50=0.785+/-0.024
HILL=1.169+/-0.083
MAX=126.711+/-2.126
MIN=0.762+/-3.307

## Fit: MAY009

Fit 100%

R Sq = 1.00  CV = 1269.42  ChiSq = 0.14  Weighted Error = 0.14

LOGEC50=0.891+/-0.013
HILL=1.293+/-0.057
MAX=123.429+/-1.364
MIN=4.609+/-1.581

## Fit: MAY0010

Fit 100%

R Sq = 1.00  CV = 1317.41  ChiSq = 0.28  Weighted Error = 0.28

LOGEC50=1.111+/-0.024

HILL=1.198+/-0.086

MAX=126.93+/-3.238

MIN=3.924+/-2.071

## Fit: TOTB

No Fit Matrix is singular.

R Sq = 0.00  CV = 0.00  ChiSq = 0.00  Weighted Error = 0.00

LOGEC50=2+/-0.0

HILL=1+/-0.0

MAX=111+/-0.0

MIN=110.945+/-0.0

## Fit: NSB

No Fit Matrix is singular.

R Sq = 0.00  CV = 0.00  ChiSq = 0.00  Weighted Error = 0.00

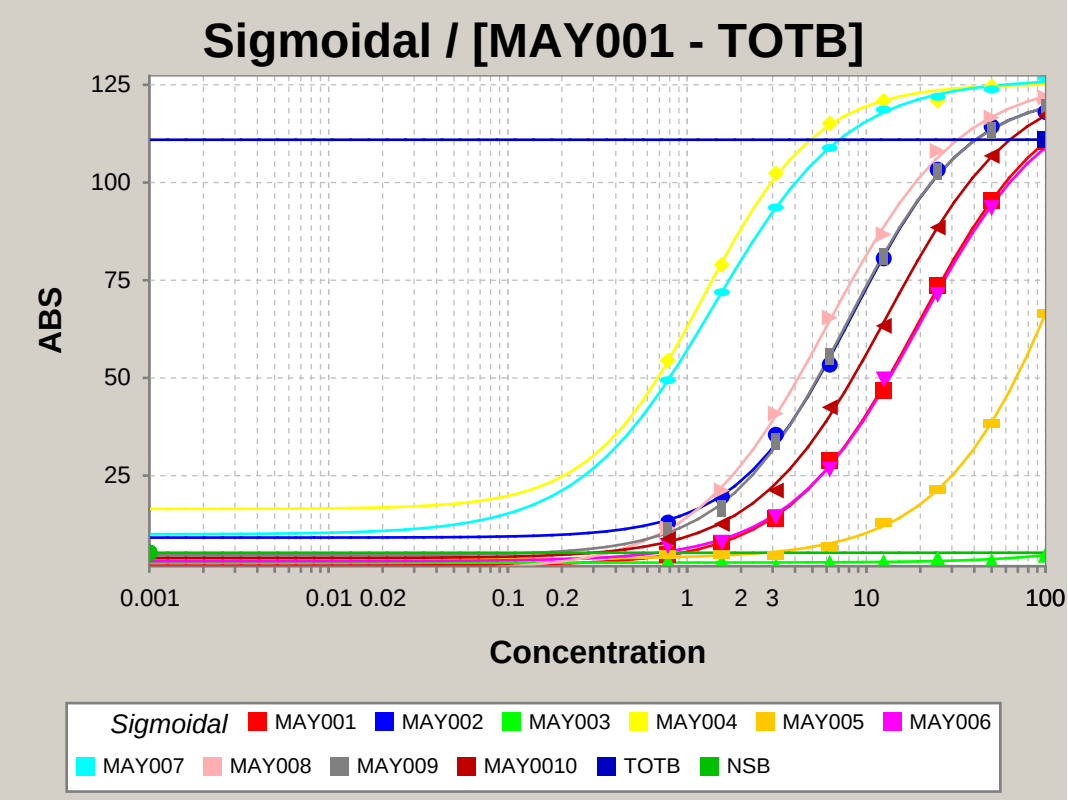
LOGEC50=-3+/-0.0

HILL=-1+/-0.0

MAX=5.274+/-0.0

MIN=5.274+/-0.0

Figure




## Raw Data

Raw data values fits in the previous chart are based on

| MAY001 | | MAY002 | | MAY003 | | MAY004 | | MAY005 | | MAY006 | | MAY007 | | MAY008 | | MAY009 | | MAY010 | | TOTB | | NSB | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): | (X): | (Y): |
| 0.78 | 4.93 | 0.78 | 12.98 | 0.78 | 3.18 | 0.78 | 54.45 | 0.78 | 4.83 | 0.78 | 6.96 | 0.78 | 49.42 | 0.78 | 11.58 | 0.78 | 10.91 | 0.78 | 8.83 | 100.00 | 110.94 | 0.00 | 5.27 |
| 1.56 | 7.55 | 1.56 | 19.69 | 1.56 | 3.05 | 1.56 | 78.94 | 1.56 | 4.84 | 1.56 | 7.84 | 1.56 | 71.93 | 1.56 | 21.22 | 1.56 | 16.64 | 1.56 | 12.63 | 100.00 | 111.00 | 0.00 | 5.27 |
| 3.12 | 14.16 | 3.12 | 35.46 | 3.12 | 1.82 | 3.12 | 102.33 | 3.12 | 4.61 | 3.12 | 14.38 | 3.12 | 93.62 | 3.12 | 40.88 | 3.12 | 33.62 | 3.12 | 21.20 | 100.00 | 111.00 | 0.00 | 5.27 |
| 6.25 | 28.85 | 6.25 | 53.41 | 6.25 | 2.74 | 6.25 | 115.10 | 6.25 | 6.81 | 6.25 | 26.52 | 6.25 | 108.84 | 6.25 | 65.45 | 6.25 | 55.59 | 6.25 | 42.49 | 100.00 | 111.00 | 0.00 | 5.27 |
| 12.50 | 46.89 | 12.50 | 80.61 | 12.50 | 2.95 | 12.50 | 120.92 | 12.50 | 12.93 | 12.50 | 49.61 | 12.50 | 118.66 | 12.50 | 86.73 | 12.50 | 80.99 | 12.50 | 63.34 | 100.00 | 111.00 | 0.00 | 5.27 |
| 25.00 | 73.54 | 25.00 | 103.26 | 25.00 | 3.88 | 25.00 | 120.88 | 25.00 | 21.50 | 25.00 | 71.24 | 25.00 | 121.95 | 25.00 | 108.11 | 25.00 | 102.78 | 25.00 | 88.50 | 100.00 | 111.00 | 0.00 | 5.27 |
| 50.00 | 95.51 | 50.00 | 114.37 | 50.00 | 3.15 | 50.00 | 124.64 | 50.00 | 38.37 | 50.00 | 93.43 | 50.00 | 123.86 | 50.00 | 116.64 | 50.00 | 113.36 | 50.00 | 106.83 | 100.00 | 111.00 | 0.00 | 5.27 |
| 100.00 | 110.37 | 100.00 | 118.04 | 100.00 | 4.77 | 100.00 | 127.28 | 100.00 | 66.52 | 100.00 | 109.60 | 100.00 | 126.65 | 100.00 | 121.77 | 100.00 | 119.14 | 100.00 | 117.20 | 100.00 | 111.00 | 0.00 | 5.27 |